

Claims

[c1] What is claimed is:

A surgical headlight system attachable to a surgeon's head band or cap for illumination purposes comprising:
a headlight housing, said headlight housing including at least one LED light source and a fiber optic rod disposed adjacent said LED light source;
a lens assembly in optical communication with the output of said fiber optic rod;
a light path from said lens assembly in said headlight housing to emit light outside said headlight housing to a surgical area; and
an electrical power source that is variable for providing power to said LED light source connected to said LED light source.

[c2] A surgical headlight assembly as in claim 1, including:
means for attaching said headlight housing to a head band to be worn by a surgeon.

[c3] A surgical headlight assembly as in claim 1, including;
said LED light source being a white light source of approximately 5500 degrees Kelvin said LED light source connected to a circuit board mounted in said headlight

housing.

- [c4] A surgical headlight assembly as in claim 1, including a mirror mounted in the light path from said lens assembly to the housing light outlet.
- [c5] A compact, headlight for surgery comprising:
a small, light weight housing with an opening for emitting light, said light source LED and light optical path and light transmission elements all self contained in said small housing.